

WDS-001
Amendment dated 02/17/2005

09/771,333

08680001aa
Reply to office action mailed 08/17/2004

The following is a complete listing of all claims in the application, with an indication of the status of each:

Listing of claims:

- 1 1. (currently amended) A system for viewer managed point to point data
2 streaming over a network, comprising:
3 a Sender node for generating streaming data from a target site, said
4 Sender being a client having an address on a network;
5 a Viewer node for monitoring said target site ~~using~~ by viewing said
6 streaming data, said Viewer being a client on said network; and
7 a Mediator node for remotely ~~controlling~~ establishing direct
8 transmission of said streaming data from said Sender to said Viewer, said
9 Mediator node establishing direction transmission by authenticating said
10 Viewer and Sender, locating for said Viewer said Sender address, negotiating
11 a direct connection between said Sender and said Viewer, and recording
12 session information in a repository,
13 wherein said direct transmission is initiated by said Viewer at a web
14 site associated with said Mediator node, and is paused and restarted
15 asynchronously by said Viewer without intervention by said Mediator node,
16 and wherein said Sender provides its address to said Mediator node when said
17 direct transmission is started or restarted by said Viewer.
- 1 2. (original) A system as in claim 1, wherein said network is a TCP/IP
2 network.
- 1 3. (original) A system as in claim 1, wherein said streaming data is multi-
2 media.

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1 4. (original) A system as in claim 1, wherein said Sender's address is
2 dynamic.

1 5. (currently amended) A system as in claim 1, wherein said session
2 information in said repository at said Mediator node ~~contains a registry which~~
3 ~~monitors and records session information, includes IP addresses for said~~
4 ~~Sender location and availability and said Viewer, session keys for access~~
5 control, and Viewer access privileges session start and end times, and wherein
6 said Mediator node provides a static Internet location for accessing the system,
7 and wherein said Viewer node control over said direct transmission from said
8 Sender node includes granularity and frequency of said streaming data.

1 6. (original) A system as in claim 1, wherein said Sender further comprises
2 means for accepting requests from authorized Viewers and means for
3 streaming said data to said authorized Viewers.

1 7. (currently amended) A system as in claim 6, further comprising a plurality
2 of Mediator nodes, each Mediator node serving a plurality of Senders; and a
3 plurality of Viewers, ~~and a plurality of Mediator nodes.~~

1 8. (currently amended) A system as in claim 7, wherein a first Sender further
2 comprises a MediaRelay for retransmitting to a Viewer or ~~another~~ a second
3 Sender a data stream generated by said first Sender or received from a ~~second~~
4 third Sender.

1 9. (original) A system as in claim 7, wherein each said Mediator node
2 provides security.

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1 10. (currently amended) A system as in claim 9, wherein said security is
2 implemented by encrypted communication tokens, each said token containing
3 an address of a designated Sender and being readable by a designated Viewer,
4 said designations being mediated at each said Mediator node.

1 11. (original) A system as in claim 1, wherein said streaming data is
2 generated and transmitted in real-time.

1 12. (original) A system as in claim 1, wherein said Sender is implemented by
2 MediaSender software and said software is updated automatically from said
3 Mediator node.

1 13. (currently amended) A system as in claim 12, wherein said software is
2 constructed using platform independent ~~Java~~ technology.

1 14. (currently amended) A method for viewer managed point to point data
2 streaming over a network between a Sender and a Viewer, comprising the
3 steps of:
4 registering Sender information with a Mediator node, said Sender
5 information including at least a location of said Sender and a list of Viewers
6 having access rights;
7 authenticating said Sender by said Mediator;
8 requesting access to said Sender by a Viewer;
9 logging said Viewer's request with said Mediator node, said logging
10 validating said Viewer against said list of Viewers;
11 transmitting said location information to said validated Viewer and
12 notifying said Sender of said validated Viewer; ~~and~~

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13 downloading by said Viewer of a videostreamer from said Sender; and
14 controlling by said Viewer, using said videostreamer and without
15 intervention by said Mediator node, pausing and restarting direct transmission
16 from said Sender to said Viewer.

1 15. (original) The method of claim 14, wherein said network is a TCP/IP
2 network.

1 16. (original) The method of claim 14, wherein said streaming data is multi-
2 media.

1 17. (original) The method of claim 14, wherein said Sender's address is
2 dynamic.

1 18. (currently amended) The method of claim 14, wherein a repository in said
2 Mediator node ~~contains a registry which monitors and records session~~
3 information, said session information including IP addresses for said Sender
4 ~~location and availability, and said Viewer, session keys for access control, and~~
5 ~~Viewer access privileges~~ session start and end times, and wherein said
6 Mediator node provides a static Internet location for accessing the system at a
7 web site associated with said Mediator node.

1 19. (original) The method of claim 14, further comprising the steps of:
2 registering a second Sender's information by said Mediator node, said
3 information including at least a location of said second Sender, said second
4 Sender having a MediaRelay for retransmitting said videostreamer to said
5 Viewer;

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6 after said logging of said Viewer's request, transmitting to said
7 validated viewer said second Sender's location information, said
8 videostreamer then being transmitted by said Sender to said second Sender
9 and downloaded to said Viewer by said MediaRelay.

1 20. (currently amended) A system for viewer managed point to point data
2 streaming over a network between a Sender and a Viewer, comprising:
3 means for registering Sender information with a Mediator node, said
4 Mediator node containing a repository which monitors and records session
5 information, said Sender information including at least a location of said
6 Sender and a list of Viewers having access rights;
7 means for authenticating said Sender by said Mediator;
8 means for requesting access to said Sender by a Viewer;
9 means for logging said Viewer's request with said Mediator node, said
10 logging validating said Viewer against said list of Viewers;
11 means for transmitting said location information to said validated
12 Viewer and notifying said Sender of said validated Viewer; ~~and~~
13 means for downloading by said Viewer of a videostreamer from said
14 Sender; and
15 means for controlling by said Viewer, using said videostreamer and
16 without intervention by said Mediator node, pausing and restarting direct
17 transmission from said Sender to said Viewer, wherein said Sender provides
18 its address to said Mediator node when said direct transmission is started or
19 restarted by said Viewer.

1 21. (currently amended) A system for viewer managed point to point data
2 streaming over a network, comprising:

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3 means for transmitting a data stream from a Sender to one or more
4 Viewers, optionally via one or more Relays;
5 means for registering information of said Sender with a Mediator node,
6 said information including said Sender's location on said network and said
7 Sender's availability for said transmission, said Mediator node containing a
8 repository which monitors and records session information;
9 means for said one or more Viewers to request access to said Sender
10 from a Mediator node;
11 means for said Mediator node to provide said location information to
12 said one or more Viewers if said Sender is available;
13 wherein said transmission to said ~~Viewer~~ one or more Viewers,
14 respectively, is initiated by said one or more respective Viewers at a web site
15 associated with said Mediator node, and is stopped and restarted
16 asynchronously by said ~~Viewer~~ one or more respective Viewers without
17 intervention by said Mediator node, and wherein said Sender provides its
18 address to said Mediator node when said direct transmission is started or
19 restarted by said Viewer.

1 22. (original) A system as in claim 21, wherein said providing means use
2 encrypted tokens for security.